

Title (en)
PHOTOMETRIC ANALYSIS DEVICE, PHOTOMETRIC ANALYSIS METHOD, AND COMPUTER PROGRAM FOR PHOTOMETRIC ANALYSIS,
USING SINGLE LIGHT-EMITTING PARTICLE DETECTION

Title (de)
VORRICHTUNG FÜR PHOTOMETRISCHE ANALYSE, VERFAHREN FÜR PHOTOMETRISCHE ANALYSE UND COMPUTERPROGRAMM FÜR
PHOTOMETRISCHE ANALYSE MIT ERKENNUNG EINZELNER LICHEMITTIERENDER PARTIKEL

Title (fr)
DISPOSITIF D'ANALYSE PHOTOMÉTRIQUE, PROCÉDÉ D'ANALYSE PHOTOMÉTRIQUE ET PROGRAMME INFORMATIQUE D'ANALYSE
PHOTOMÉTRIQUE FAISANT APPEL À LA DÉTECTION D'UNE UNIQUE PARTICULE ÉMETTRICE DE LUMIÈRE

Publication
EP 2693201 A4 20141029 (EN)

Application
EP 12763462 A 20120326

Priority
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• JP 2012057731 W 20120326

Abstract (en)
[origin: US2013338968A1] There is provided a structure to make the setting of a criterion for eliminating noises easy in the scanning molecule counting method. In the inventive optical analysis technique of detecting light of a light-emitting particle in a sample solution, time series light intensity data of light from a light detection region detected with moving the position of the light detection region in the sample solution is generated, and a signal of a light-emitting particle individually is detected in the time series light intensity data, wherein a signal having a light intensity in a light intensity range set based upon a signal generation frequency integrated value distribution which is a distribution, obtained by using as a variable an intensity of a signal, of integrated values of generation frequencies of signals having an intensity not lower than the variable is extracted as the signal of the light-emitting particle.

IPC 8 full level
G01N 21/64 (2006.01); **G01N 21/51** (2006.01); **G02B 21/00** (2006.01)

CPC (source: EP US)
G01N 15/1429 (2013.01 - US); **G01N 21/51** (2013.01 - EP US); **G01N 21/6408** (2013.01 - EP US); **G01N 21/645** (2013.01 - EP US);
G01N 21/6458 (2013.01 - EP US); **G02B 21/0076** (2013.01 - EP US); **G02B 21/0084** (2013.01 - EP US)

Citation (search report)
• [IP] WO 2012014778 A1 20120202 - OLYMPUS CORP [JP], et al
• [A] US 2009159812 A1 20090625 - LIVINGSTON RICHARD A [US]
• [A] US 2008021674 A1 20080124 - PUSKAS ROBERT [US]
• [A] US 2008117421 A1 20080522 - YAMAGUCHI MITSUSHIRO [JP], et al
• [A] JP 2009145242 A 20090702 - OLYMPUS CORP
• See references of WO 2012133292A1

Cited by
CN109257853A; US10627214B2; WO2017118717A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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US 2013338968 A1 20131219; **US 9435727 B2 20160906**; CN 103460026 A 20131218; CN 103460026 B 20150610; EP 2693201 A1 20140205;
EP 2693201 A4 20141029; JP 5904996 B2 20160420; JP WO2012133292 A1 20140728; WO 2012133292 A1 20121004

DOCDB simple family (application)
US 201313969830 A 20130819; CN 201280016619 A 20120326; EP 12763462 A 20120326; JP 2012057731 W 20120326;
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